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|    |      |      |        |   |

| Application No. | Applicant(s)     |  |
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| 09/829,049      | WHITMARSH ET AL. |  |
| Examiner        | Art Unit         |  |
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|   | Rejected | _ | (Through numeral)<br>Cancelled |
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| = | Allowed  | ÷ | Restricted                     |

| N | Non-Elected  |
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| 1 | Interference |

Dennis G. Bonshock

| A | Appeal   |
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|          |                                  |  |              |  |          |  |  | - 1      |          |          |    |
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| Cla      | alm                              | ļ  |              |  |          | Date   | •                                      | _        |          |          | ŀ  |
| l _      | <u>0</u>                         |  |              |  |          |  |  |          |          |          |    |
| Final    | Original                         | 8/2/04   |              |  |          |  |  |          |          | Ì        |    |
| ίĒ       | į                                | 8/2  |              |  |          |  |  |          |          |          |    |
| 1        |                                  |  |              |  |          |  |  |          |          |          |    |
|          | 1<br>2<br>3                      | √.   |              |  |          |  |  |          |          |          | :  |
|          | 2                                | 1  |              |  |          |  |  |          |          |          |    |
|          | 3                                | 1  |              |  |          |  |  |          |          |          | i  |
|          | 4                                | 1  |              |  |          |  |  |          |          |          |    |
|          | 5                                | V  |              |  |          |  |  |          |          |          |    |
|          | 6                                |  |              |  |          |  |  |          |          |          |    |
|          | 7                                | 1  |              |  |          | -  |  |          |          | $\neg$   |    |
| <b>—</b> | 8                                | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \            |              |  |          |  |  |          |          |          |    |
|          | 9                                | Ė  | -            |  |          |  |  |          |          | $\neg$   |    |
| -        | 10                               |  | -            | $\vdash$   |          |  |  | -        |          | $\neg$   |    |
|          | 11                               | -  | -            |  |          |  |  |          | $\neg$   | -        |    |
|          | 10<br>11<br>12<br>13<br>14<br>15 | -  | -            | -  |          |  |  |          | -        |          |    |
| -        | 12                               | -  |              |  |          | -  |  |          | $\vdash$ | -        |    |
|          | 13                               | -  |              | -  |          |  |  | <u> </u> | Н        | _        |    |
|          | 14                               | ļ-   | <u> </u>     | ļ  | ļ        | <u> </u>   |  |          |          |          |    |
|          | 15                               | -  | <u> </u>     |  |          | <u> </u>   | _                                      | _        |          |          |    |
| L        | 16<br>17                         | <u> </u>   |              |  | <u> </u> | _  | ļ                                      | <u> </u> |          |          |    |
|          | 17                               | <u> </u> -                                       |              |  |          |  | <u> </u>                               | L        |          |          | l  |
|          | 18<br>19                         | <u>  -</u>                                       |              |  |          | L  |  |          |          |          |    |
|          | 19                               | -  |              |  |          |  | <u>_</u>                               |          |          |          |    |
|          | 20                               | -  |              |  |          |  |  |          |          |          |    |
|          | 21                               | -  |              |  |          |  |  |          |          |          |    |
|          | 21<br>22                         | -  |              |  |          |  |  |          |          |          |    |
|          | 23                               | -  |              |  |          |  |  |          |          |          | ŀ  |
|          | 23<br>24<br>25                   | -  |              |  |          |  |  |          |          |          | ŀ  |
|          | 25                               | -  |              |  |          |  |  |          |          |          | :  |
|          | 26                               | 7  |              |  |          |  |  |          |          |          | i  |
|          | 27                               | V  | Г            |  |          |  |  |          |          |          |    |
|          | 26<br>27<br>28                   | 1  |              |  |          | _  |  |          |          |          |    |
|          | 29                               | 1  |              |  |          |  | Г                                      | ļ        |          |          |    |
|          | 30                               | V  | $\vdash$     | <del>                                     </del> |          | Т  | -                                      |          |          |          |    |
|          | 31                               | <del>                                     </del> | <b>-</b>     |  |          |  | _                                      | -        |          |          | 1  |
|          | 32                               | -  | H            | ┢  |          | $\vdash$   |  |          |          |          |    |
|          | 32<br>33                         | ╆  | 1            |  | -        |  |  |          | _        | $\vdash$ |    |
| -        | 34                               | <del> </del>                                     | -            |  |          | $\vdash$   | -                                      |          |          | $\vdash$ |    |
| h-       | 35                               | $\vdash$   | -            | -  | $\vdash$ | -  | $\vdash$                               | $\vdash$ |          |          |    |
| -        | 36                               | -  | -            | $\vdash$   | -        | <del>                                     </del> |  |          |          | $\vdash$ |    |
| <u> </u> | 37                               | +  | -            | ┢  | ├        | <del> </del>                                     | ┢                                      |          |          |          | 1  |
| <b>—</b> | 38                               | ╁┈   | -            |  |          | ╁  | <u> </u>                               | -        | ⊢        | -        | ŀ  |
|          | 39                               | <del> </del>                                     | 1            | ┢╌   | $\vdash$ | ┝  | <del> </del>                           | -        |          |          |    |
| -        |                                  | ╁  | ┼            | -  |          | -  | ┢                                      | ⊢        |          | -        | ŀ  |
| <u> </u> | 40                               | -  | -            | -  | -        |  | ┝                                      | -        |          | ⊢        | 1  |
| -        | 41                               |  | 1—           | -  | $\vdash$ | <b>├</b> ─                                       | -                                      | -        | -        | -        | 1  |
|          | 42                               | +-   | ├-           |  | -        |  | -                                      | $\vdash$ |          | ⊢        | 1  |
|          | 43                               | $\vdash$   | -            | -  |          | -  | -                                      | <u> </u> | <b> </b> |          | 1  |
| <u> </u> | 44                               | <del> </del>                                     | 1-           | <u> </u>   | <u> </u> | <del> </del> -                                   |  | -        | <u> </u> | $\vdash$ | 1  |
|          | 45                               | <u> </u>   | <del> </del> | ļ  | <u> </u> | 1  | <u> </u>                               | _        | _        |          | 1  |
|          | 46                               | _  | _            |  | <u> </u> | ļ  | 1                                      | <u> </u> | <u> </u> | _        | 1  |
|          | 47                               | _  | 1_           | <u> </u>   | <u> </u> | L  | <u> </u>                               | _        | <u> </u> |          |    |
|          | 48                               |  |              | <u> </u>   | 1        | $\perp$  | ــــــــــــــــــــــــــــــــــــــ |          |          |          |    |
|          | 49                               |  |              |  |          | <u> </u>   |  | <u>L</u> | L        |          |    |

|      | Cla         | im       |            |          |             |  | ate      | •        |          |          | $\neg$   |
|------|-------------|----------|------------|----------|-------------|--|----------|----------|----------|----------|----------|
|      |             |          |            |          | $\neg \neg$ |  |          |          |          |          | ᅵ        |
|      | Final       | Original |            |          |             |  |          |          |          |          |          |
|      |             | 51<br>52 | -          | 1        | $\dashv$    |  | $\dashv$ | _        |          | $\dashv$ |          |
|      |             | 52       | 一          | 1        |             |  | $\neg$   |          | 一        |          | $\neg$   |
|      | -           | 53       | $\dashv$   | $\dashv$ | $\dashv$    | _  |          | $\dashv$ | -        | $\dashv$ | -        |
|      |             | 55       |            | $\dashv$ | _           |  |          | -        |          | $\dashv$ | ㅓ        |
|      |             | 54<br>55 | $\dashv$   |          |             | _  |          |          | $\dashv$ | -        | $\dashv$ |
|      |             | 55       |            |          | $\dashv$    | _  |          |          |          | -        | $\dashv$ |
|      |             | 56       |            | $\dashv$ |             |  | -        | $\dashv$ | -        | -        | $\dashv$ |
|      |             | 57       |            | -        | $\dashv$    |  |          | $\dashv$ |          |          | $\dashv$ |
|      |             | 58<br>59 |            |          |             |  |          |          |          | -        | $\dashv$ |
|      |             | 60       | _          | $\dashv$ |             |  |          | $\dashv$ | -        | -        | -        |
|      |             | 61       |            | $\dashv$ | -           |  |          |          |          | $\dashv$ | -        |
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|      |             | 63       | -          | -        |             |  |          |          | -        | $\dashv$ | _        |
|      |             | 64       | $\dashv$   |          | _           | _  |          |          | $\neg$   |          |          |
|      |             | 65       |            |          | _           |  |          |          | 一        |          | $\dashv$ |
|      |             | 66       |            |          |             | _  |          |          |          |          | $\dashv$ |
|      |             | 67       |            | $\neg$   |             | -  |          |          |          |          |          |
| Mi   |             | 68       |            |          |             |  |          |          |          |          |          |
|      |             | 69       |            |          |             |  |          |          |          |          |          |
|      |             | 70       |            |          |             |  |          |          |          |          |          |
|      |             | 71       |            |          |             |  |          |          |          |          |          |
| 66.1 |             | 72       |            |          |             |  |          |          |          |          |          |
|      |             | 72<br>73 |            |          |             |  |          |          |          |          |          |
|      |             | 74       |            |          |             |  |          |          |          |          |          |
|      |             | 75<br>76 |            |          |             |  |          |          |          |          |          |
|      |             | 76       |            |          |             |  |          |          |          |          |          |
|      |             | 77       | _          |          |             |  | <u> </u> |          |          |          |          |
|      |             | 78       |            |          |             |  | _        |          |          |          |          |
|      |             | 79       |            | -        |             | _  | _        |          |          |          |          |
|      |             | 80       |            |          |             |  | ┝        | _        |          |          | -        |
|      |             | 81       |            | -        |             | -  |          | $\vdash$ |          |          | _        |
|      |             | 82<br>83 |            |          |             |  | -        |          | _        |          |          |
|      |             | 84       | -          | Н        |             | -  | -        | $\vdash$ |          |          |          |
|      |             | 85       | -          |          | -           |  |          | -        |          |          |          |
|      | <del></del> | 86       |            |          |             |  |          |          |          | _        |          |
|      |             | 87       |            |          |             |  |          |          |          |          |          |
|      |             | 88       |            |          | _           | _  |          |          |          |          |          |
|      |             | 89       | Г          |          |             |  |          |          |          |          |          |
|      |             | 90       |            |          |             |  |          |          |          |          |          |
|      |             | 91       | _          |          |             |  |          |          |          |          |          |
|      |             | 92       |            |          |             |  |          |          |          |          |          |
|      |             | 93       |            |          |             |  |          |          |          |          |          |
|      |             | 94       |            |          |             |  | <u> </u> |          | <u> </u> |          |          |
| 9111 |             | 95       | <u>L</u> . | $\Box$   |             |  | <u> </u> |          |          | <u> </u> | <u> </u> |
|      |             | 96       |            | _        | _           | _  | <u> </u> | _        | <u> </u> | _        |          |
|      |             | 97       | L_         | _        | <u> </u>    | _  | -        | ļ        | ļ        |          |          |
| (6)  |             | 98       | <b> </b>   | _        | <u> </u>    | <b> </b>   | -        | Ŀ        | <u> </u> |          | ļ        |
| 1    |             | 99       | l _        | <u></u>  |             | $ldsymbol{ld}}}}}}$ |          |          |          |          |          |

| С        | laim              | Date         |          |          |          |              |              |          |              |                    |
|----------|-------------------|--------------|----------|----------|----------|--------------|--------------|----------|--------------|--------------------|
| Final    | Original          |              |          |          |          |              |              |          |              |                    |
|          | 101               |              |          |          |          |              |              |          |              |                    |
|          | 102               |              |          |          |          |              |              |          |              |                    |
|          | 103               | П            |          |          |          |              |              |          |              |                    |
|          | 104               | П            |          |          |          |              |              |          |              |                    |
|          | 105               |              |          |          |          |              |              |          |              |                    |
|          | 106               |              |          |          |          |              |              |          |              |                    |
|          | 107               |              |          |          |          |              |              |          |              |                    |
|          | 108               |              |          |          |          |              |              |          |              |                    |
|          | 109               |              |          |          |          |              |              |          | L            |                    |
|          | 110               |              |          |          |          |              |              |          |              |                    |
|          | 111               |              |          |          |          |              | _            |          |              |                    |
| <u> </u> | 112<br>113        |              |          |          |          | <u> </u>     |              | ļ        | <u> </u>     |                    |
| <u> </u> | 113               |              |          |          |          |              |              |          |              |                    |
| ļ        | 114               | <u> </u>     | _        | _        |          |              | _            | _        | _            |                    |
| -        | 115               |              |          |          |          |              | -            |          |              | H                  |
| -        | 116<br>117        |              |          |          |          | $\vdash$     | -            | $\vdash$ | $\vdash$     |                    |
|          | 110               |              |          | H        |          |              |              |          |              |                    |
| $\vdash$ | 118<br>119        | $\vdash$     |          |          |          | -            | -            |          | _            | -                  |
|          | 120               | -            | _        | -        |          |              |              |          | _            | H                  |
| $\vdash$ | 120<br>121        | $\vdash$     |          | -        | <u> </u> |              |              | -        | <b>-</b>     |                    |
|          | 122               | -            |          |          |          |              | $\vdash$     |          |              | Н                  |
|          | 123               |              |          |          |          |              |              |          |              |                    |
|          | 123<br>124        |              |          |          | _        |              |              |          |              |                    |
|          | 125               |              |          |          |          |              |              |          |              |                    |
|          | 126<br>127        |              |          |          |          |              |              |          |              |                    |
|          | 127               | L_           |          |          | _        |              |              | _        | <u> </u>     | Ш                  |
|          | 128<br>129<br>130 |              |          | <u> </u> |          | <u> </u>     | _            |          | <u> </u>     |                    |
|          | 129               |              |          | ļ        |          |              |              |          |              |                    |
|          | 130               | -            |          | <u> </u> | <u> </u> | _            |              | <u> </u> | _            | -                  |
| -        | 131<br>132        |              |          |          | <u> </u> |              |              |          | ⊢            | -                  |
| -        | 132               | ┢            |          |          |          | -            |              |          | -            | -                  |
| $\vdash$ | 133<br>134        | ⊢            | -        | ⊢        |          | ├-           |              | $\vdash$ | ├            |                    |
| -        | 135               | <del> </del> | ├        |          |          |              |              | $\vdash$ | -            | -                  |
| 1        | 136               | $\vdash$     |          |          |          | $\vdash$     |              | -        | <del> </del> |                    |
| 1        | 137               |              |          |          |          | <del> </del> | H            |          |              |                    |
| -        | 138               | -            |          | $\vdash$ |          | $\vdash$     | ┢            | † · ·    | -            | Ì                  |
|          | 139               | Т            | $\vdash$ |          | T        | T            |              |          | 1            |                    |
|          | 140               |              |          |          |          |              |              |          |              |                    |
|          | 141               |              |          |          |          |              |              |          |              |                    |
|          | 142               |              |          |          |          |              |              |          |              |                    |
|          | 143               | <u>_</u>     |          |          |          |              | L            | <u> </u> | <u> </u>     | $oxedsymbol{oxed}$ |
| <u> </u> | 144               | <u> </u>     |          | <b>!</b> |          | <b> </b>     | _            | L        | L            | <u> </u>           |
| <u> </u> | 145               | _            | _        | <u> </u> | <u> </u> | <u> </u>     | 1            | <u> </u> | _            | <u></u>            |
| <u> </u> | 146               | <del> </del> | _        |          | ļ        | ــــ         | ļ            | $\vdash$ | _            | <u> </u>           |
| -        | 147               | ╁            |          | <u> </u> | -        | <u> </u>     | _            | 1        | _            | <u> </u>           |
| -        | 148               | +            | <u> </u> | +-       | <u> </u> | 1_           | -            |          | $\vdash$     | ₩                  |
| -        | 149               | ┼            |          |          |          | -            | <del> </del> | $\vdash$ | +-           | <del> </del>       |
| -        | 150               | <u> </u>     | <b>_</b> | Ц.       | L        | Щ.           | <u> </u>     | 1        |              | <u> </u>           |